MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

January, 1945

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

JANUARY 1945

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	54.5	53.9	56.5	55.0	17.8	10.1	12.7	15.6	13.2	13.8
2	62.7	63.0	65.1	63.6	15.0	10.7	13.6	15.0	13.9	14.2
3	5.2	2.9	2.6	3.6	16.2	11.9	13.3	16.1	13.5	14.3
4	1.3	59.2	58.6	59.7	16.6	10.6	13.8	16.6	14.4	14.9
5	59.8	9.7	61.7	60.4	14.8	10.9	11.5	14.0	13.4	13.0
6	67.2	67.1	68.2	67.5	16.5	10.7	15.0	15.9	12.7	14.5
7	6.0	3.8	2.6	4.1	16.7	12.2	12.6	16.2	13.7	14.2
8	1.6	0.0	0.8	0.8	18.3	14.0	14.6	17.3	15.1	15.7
9	1.7	1.7	3.0	2.1	18.4	12.3	15.8	18.4	13.8	16.0
10	5.1	4.0	3.6	4.2	16.7	11.2	14.5	16.0	13.7	14.7
11	61.0	61.5	58.4	60.9	16.9	12.7	13.3	16.5	14.6	14.8
12	58.9	59.0	61.2	59.7	18.8	10.7	15.2	18.7	15.6	16.5
13	63.9	62.9	3.7	63.5	15.4	9.8	12.7	15.4	12.3	13.5
14	3.9	2.8	2.8	3.2	15.3	10.9	12.3	15.0	11.7	13.0
15	1 8	0.1	59.0	0.3	13.6	8.3	11.7	11.1	10.1	11.0
16	54.8	56.8	60.3	57.3	14.4	10.7	13.2	13.8	13.1	13.4
17	63.0	61.7	0.1	61.6	17.5	13.4	13.8	13.9	14.4	14.0
18	56.8	57.2	57.7	57.2	18.2	14.5	17.8	17.7	16.2	17.2
19	7.0	4.8	4.8	5.5	13.4	11.5	14.7	14.5	13.4	14.2
20	6.8	8.2	60.8	8.6	14.8	10.6	11.9	14.4	14.3	13.5
21	61.7	62.3	63.9	62.6	15.6	11.0	14.1	15.4	13.3	14.3
22	5.3	3.7	3.4	4.1	16.1	10.8	14.1	16.0	13.8	14.6
23	0.4	58.9	58.5	59.3	16.6	8.7	14.4	16.1	14.8	15.1
24	1.2	62.8	66.7	63 6	12.8	7.2	11.4	12.3	10.6	11.4
25	8.6	7.9	7.7	8.1	12.4	7.6	10.4	12.3	9.7	10.8
26	65.8	64.9	65.2	65.3	15.2	8.5	10.7	14.4	11.1	12.1
27	6.4	5.7	5.9	6.0	14.8	9.1	11.8	14.3	11.4	12.5
28	4.5	2.9	2.9	3.4	15.7	10.8	11.3	14.7	12.8	12.9
29	4.0	4.0	4.8	4.3	17.3	10.8	14.4	16.7	13.9	15.0
30	4.8	2.6	0.5	2.6	17.7	12.9	14.6	16.7	13.3	14.9
31	57.0	54.0	56.4	55.8	19.4	7.2	15.9	18.2	12.1	15.4
	62.02	61.29	61.85	61.73	19.38	10.71	13.45	15.45	13.22	14.04

Barometer, range for month 753.9 – 768.6 mm.
,, 62-yr. average for month 763.36 mm.
Thermometer. range for month 7.2° — 19.4° C.
,, 62-yr. average for month 13.72° C.
Rain, total for month 190.0 mm.
,, , 62-yr. average for month 183.90 mm.
Total, from Sept. 1st. to end of month 738.13 mm.
62-yr. average, Sept. 1st. to end of month 554.23 mm.

JANUARY 1945

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	8.5	8.8	9.0	8.8	77	67	79	74	0.4	756.0	13.21
2	8.2	8.6	8.2	8.3	70	68	70	69	1.3	399.0	4.32
3	8.2	9.7	8.9	8.9	71	72	76	73	8.6	225.0	0.25
4	7.6	8.8	8.0	8.1	65	64	65	65	8.0	349.0	
5	8.0	8.3	9.2	8.5	80	70	79	76	2.2	760.0	21.58
6	8.2	8.3	7.4	8.0	65	61	68	65	7.4	153.0	
7	6.6	8.3	7.4	7.4	61	60	64	62	4.3	89.0	
8	7.6	8.3	8.1	8.0	61	74	64	66	3.6	58.0	
9	8.3	10.5	9.5	9.4	62	68	81	70	6.4	282.0	0.76
10	9.1	9.2	8.6	9.0	74	69	73	72	8.6	137.0	
11	7.6	9.2	8.2	8.3	69	66	66	67	3.0	217.0	
12	8.6	10.2	9.5	9.4	67	65	72	68	7.6	441.0	3.56
13	9.2	8.7	8 3	8.7	85	67	78	77	2.8	222.0	17.53
14	7.3	7.3	6.6	7.1	68	57	65	63	9.0	315.0	1.27
15	7.5	8.4	7.4	7.8	72	85	80	79	0.2	629.0	5.33
16	6.9	9.5	8.5	8.3	62	81	76	73	0.2	732.0	7.88
17	8.3	10.0	8.7	9.0	71	85	71	76	2.4	502.0	4.58
18	9.6	10.2	9.5	9.8	63	69	69	67	2.4	557.0	0.51
19	10.0	10.9	10.2	10.4	80	88	88	85	0.0	716.0	33.02
20	8.9	9.5	8.6	9.0	86	77	71	78	1.3	716.0	18.54
21	10.7	10.4	9.6	10.2	89	80	84	84	2.4	270.0	19.31
22	8.9	9.1	9.2	9.1	75	68	78	74	8.6	169.0	2.03
23	8.2	9.0	8.0	8.4	67	66	63	65	4.2	1373.0	2.54
24	10.8	5.5	6.5	7.6	58	52	68	59	6.2	620.0	10.92
25	6.2	6.3	6.7	6.4	65	60	74	66	9.2	137.0	
26	6.9	8.1	7.2	7.4	72	66	73	70	8.4	109.0	
27	7.0	10.8	7.5	8.4	68	69	75	71	9.2	89.0	
28	7.0	8.8	7.9	7.9	70	70	72	71	9.6	61.0	
29	7.5	9.3	8.2	8.3	61	66	70	66	9.6	106.0	
30	7.4	9.9	8.3	8.5	60	71	72	68	9.6	56.0	
31	8.5	8.1	7.1	7.9	63	53	67	61	4.4	587.0	22.86
	8.17	8.96	8.25	8.46	69.5	68.8	72.6	70.3	5.19	381.67	6.12

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G.C.T.
62 year averages are for period, 1875-1936

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Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	7cu	6cu	1cu-ni	7.7	2sw	1sw	2sw	rough	G. at night
2	7st.	8cu	2cu	5.7	2s	2s	2s	„	M. over sea all day
3	0	0	0	0.0	1ne	2ne	1se	mod.	
4	0	1cu	3cu	1.3	2sw	2sw	2nw	slight	
5	10ni	10ni	10ni	10.0	3sw	3sw	4sw	rough	
6	2cu	1cu	0	1.0	2w	1nw	1sw	mod.	
7	0	9ci-st	0	3.0	1ne	1sw	1se	light	H. all day
8	10st-cu	8ci-st	10ci-st	9.3	0	1sw	1se	„	
9	9st-cu	8cu	9ni-cu	8.7	1sw	3sw	0	slight	
10	1cu	10cu-ci	0	0.7	0	2ne	0	„	
11	10cust	9cu	2ci-cu	7.0	1e	2n	0	slight	Tr. a. m.
12	2ci-cu	1ci	8cu-ni	3.7	1sw	2sw	4sw	„	
13	10cu-st	9cu-ni	9cu-ni	9.3	1sw	3sw	2w	mod.	
14	2cu	1cu	2cu	1.7	1sw	2nw	1nw	„	
15	10ni-cu	10ni	2cu	7.3	2s	1s	0	slight	W. at night
16	10ni	9cu-ni	6cu-ni	8.3	4sw	4sw	1sw	rough	
17	10cu	10ni	9ni	9.7	1sw	2sw	2sw	mod.	
18	9cu-st	9cu-st	4cu-ni	7.3	5sw	3sw	3sw	„	
19	10ni	10ni	10ni	10.0	2sw	4sw	3sw	rough	
20	10ni	8ni	9cu-ni	9.0	2sw	2sw	1w	mod.	W. at night
21	10ni	10ni-cu	9cu	9.7	3sw	3sw	3sw	rough	
22	2cu-st	1cu-st	10cu-st	4.3	2sw	2sw	0	slight	
23	1st-cu	10ni-cu	10cu-ni	7.0	3sw	3sw	5sw	mod.	W.a.m., G. at night
24	10ni-cu	4ni- cu	7cu	7.0	5sw	5w	4w	rough	
25	1cu	1cu	0	0.7	1e	1nw	0	slight	
26	9ci-st	5ci-st	0	4.7	0	1nw	1se	slight	
27	0	0	0	0.0	1e	2nw	0	„	
28	0	0	1ci	0.3	0	0	0	light	
29	0	1ci	0	0.3	1sw	2n	0	„	
30	0	1ci	0	0.3	1ne	2n	0	slight	
31	8ci-st	0	10cu-ni	6.0	1sw	3sw	4sw	mod.	w.at 10 a.m, T.at night
				5.19					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew. W = strong wind.

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	3	3	0	2	18	1	0	4	31
14:30	3	2	0	0	2	17	1	5	1	31
20:30	0	0	0	4	1	11	3	2	10	31
Totals	3	5	3	4	5	46	5	7	15	93

Number of days with rain 19, fog 0, thunderstorms 1, gale 2.

62 yr. av. days with rain during month 15.3 days